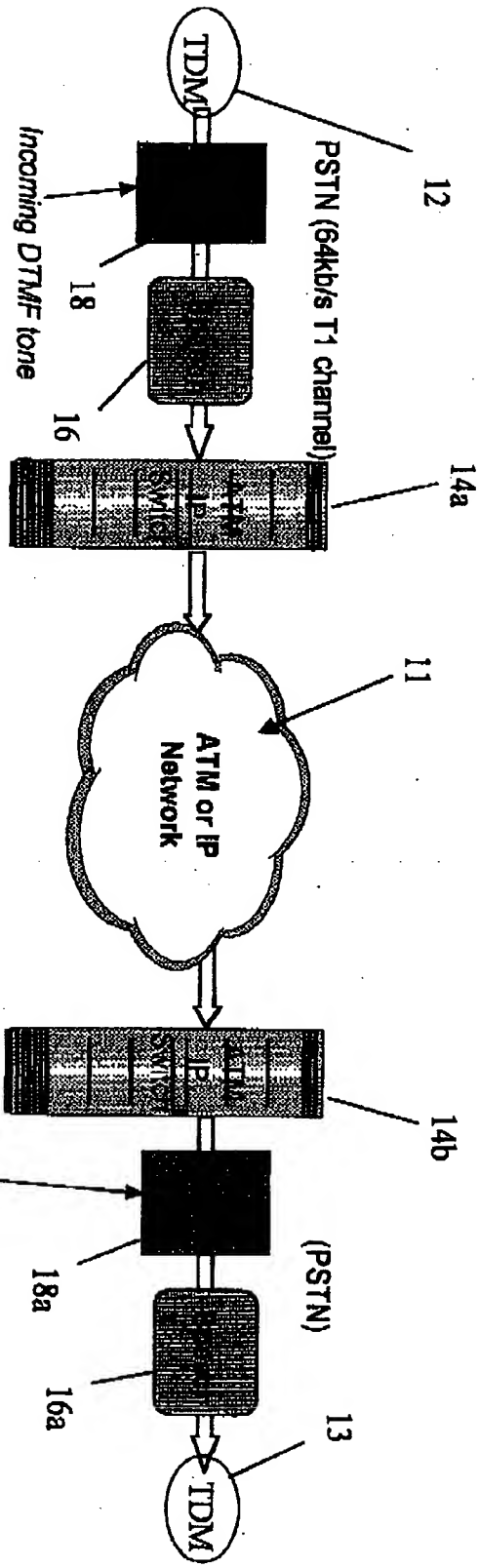

Figure 1

09/759,620 - 01/26/2001

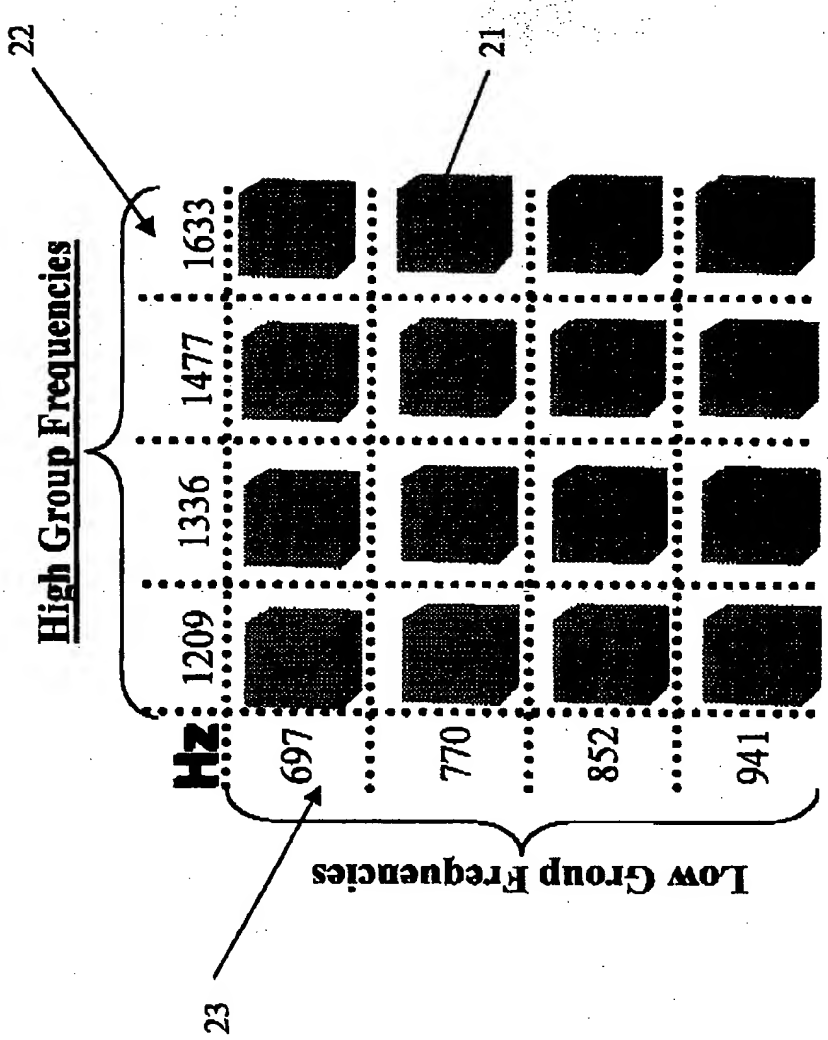
22
21
High Group Frequencies
1633
1477
1336
1209
Hz
697
770
852
941
Low Group Frequencies
23

Figure 2

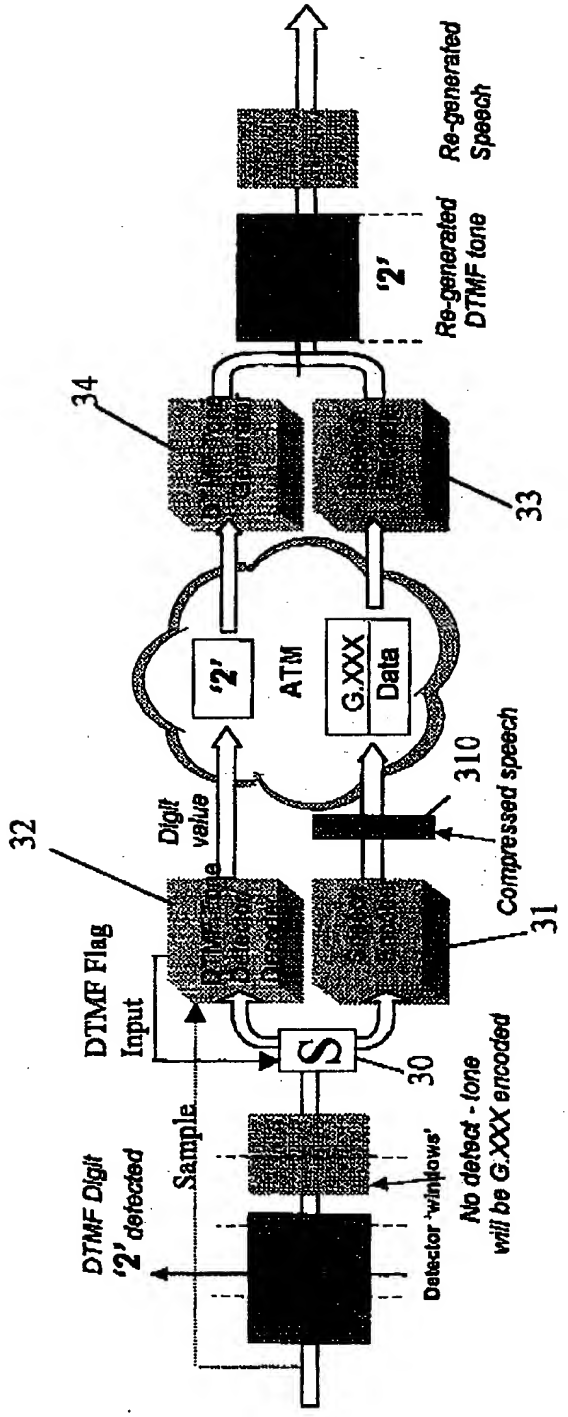

Figure 3

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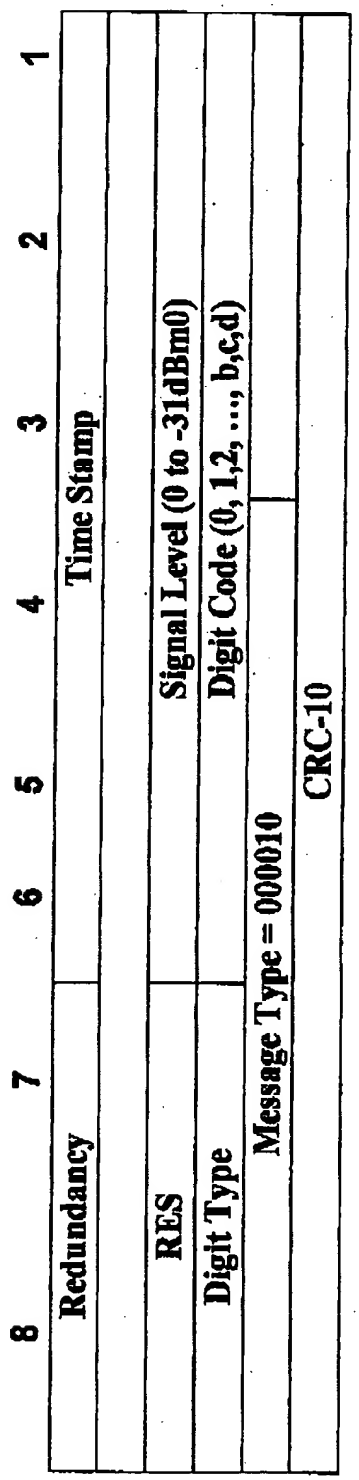

Figure 4

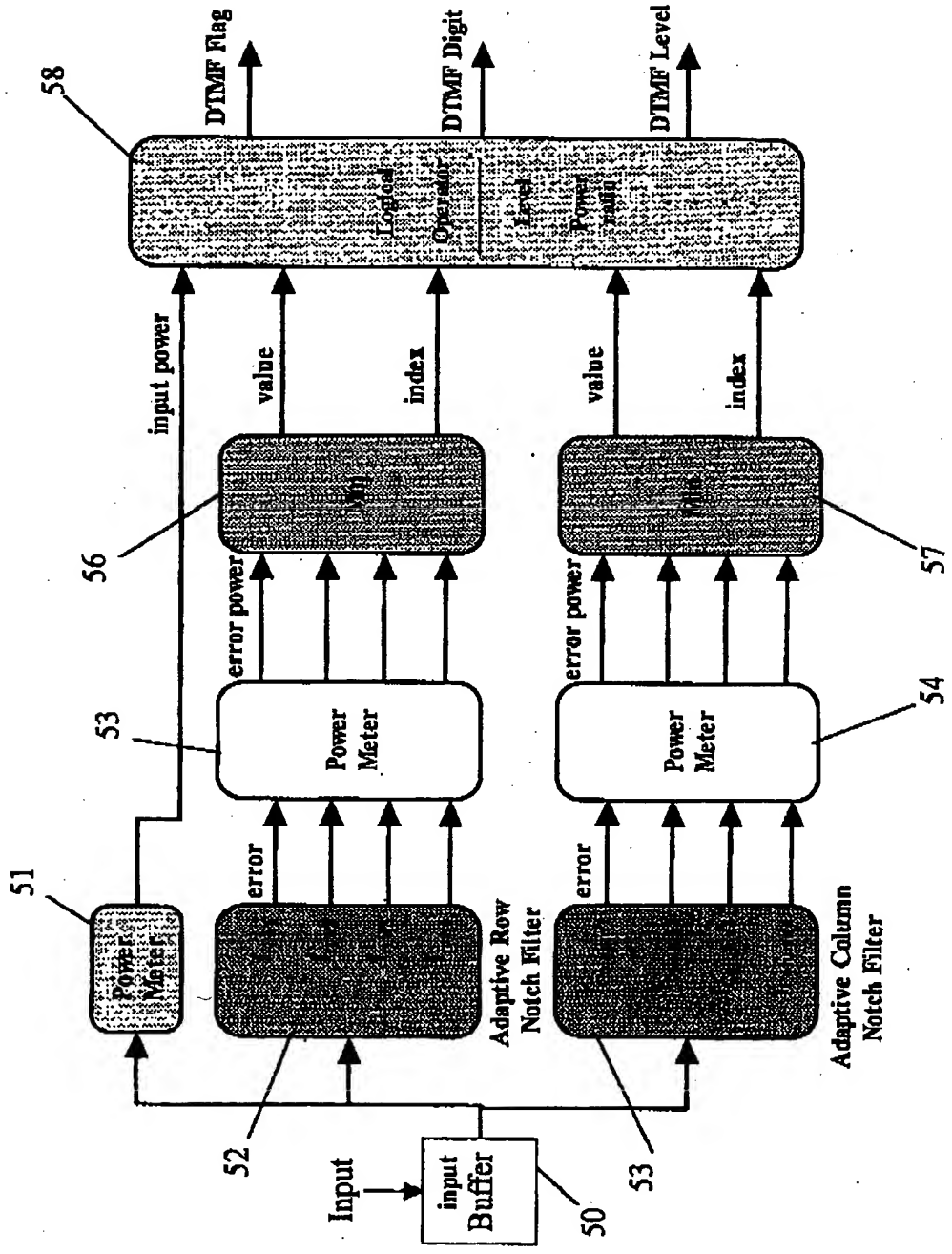
58
DTMF Flag
DTMF Digit
DTMF Level
Logical Operator
Level
Power
input power
value
index
value
index
56
57
error power
error power
53
54
Power Meter
Power Meter
51
Power Meter
error
error
Adaptive Row Notch Filter
Adaptive Column Notch Filter
52
53
Input
input Buffer
50

Figure 5

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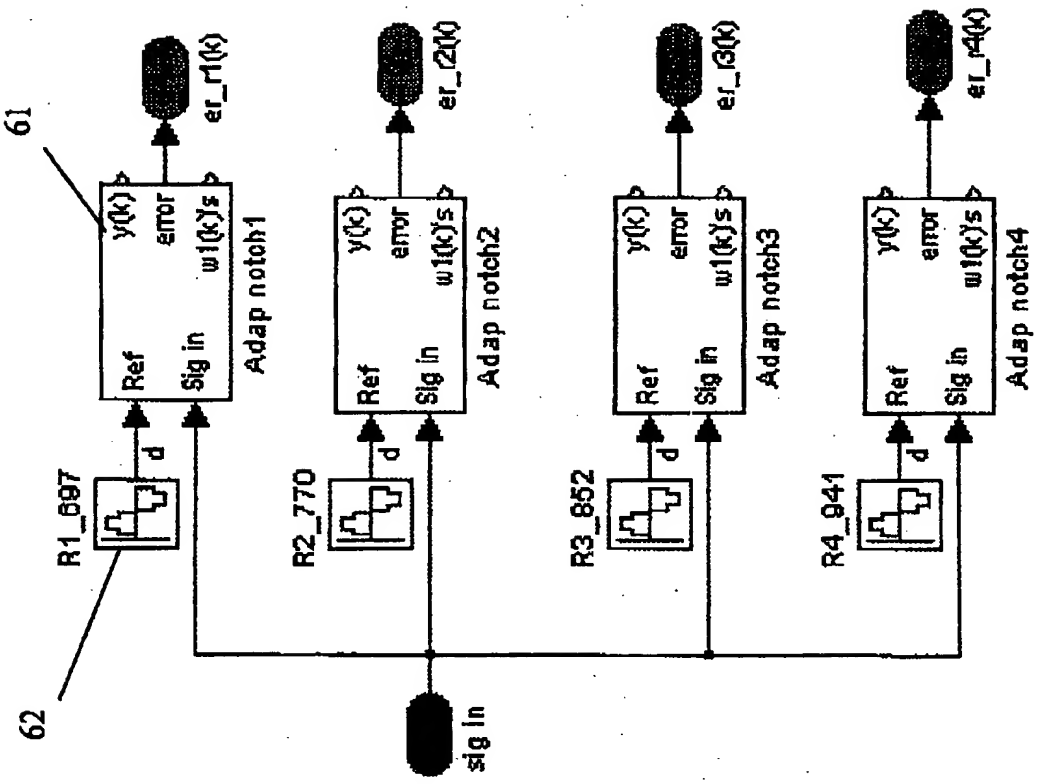

Figure 6

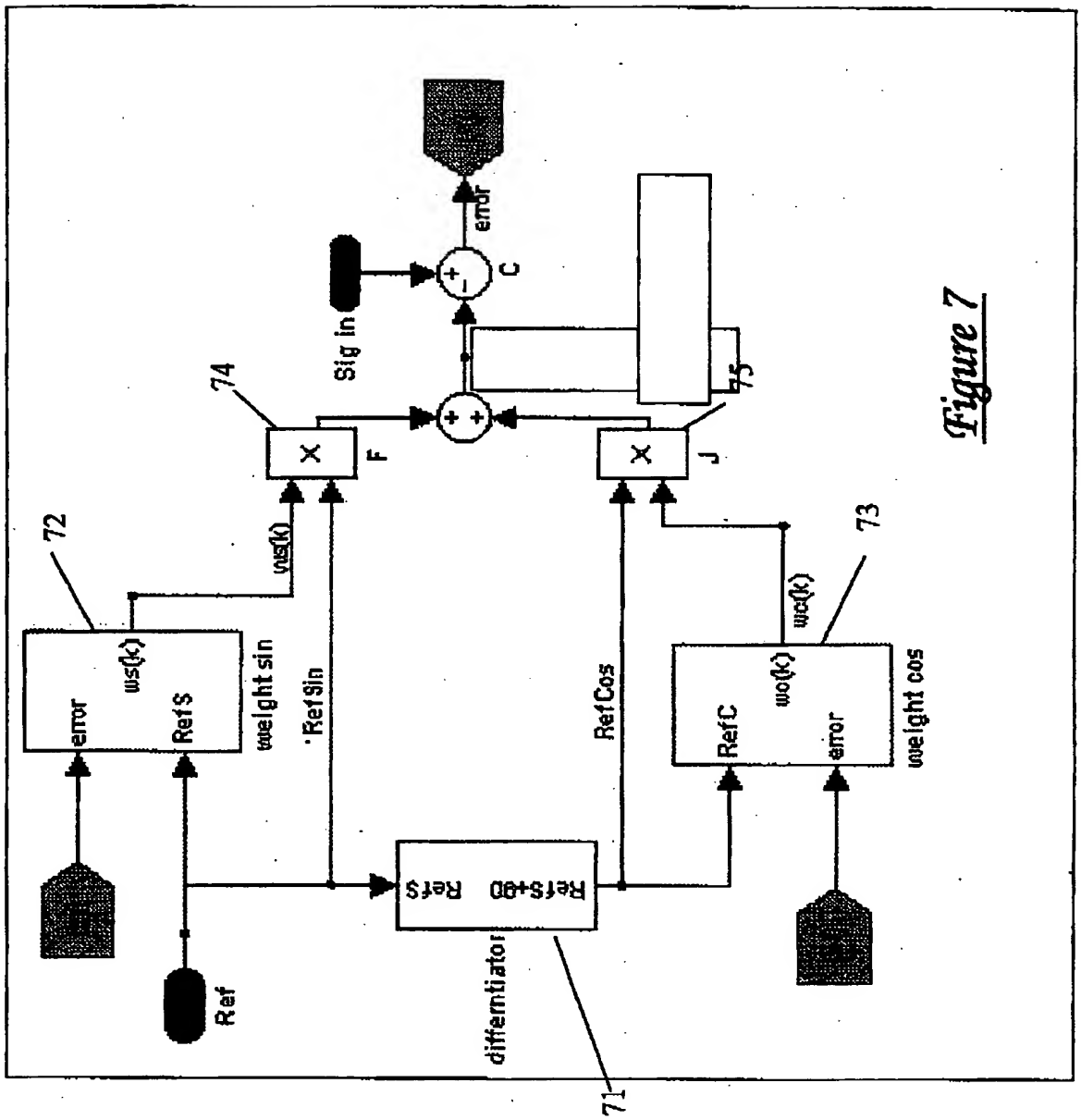
error
C
Sig in
74
F
X
75
J
X
72
ws(k)
error
RefS
weight sin
RefSin
RefCos
73
wc(k)
wo(k)
RefC
error
weight cos
RefS+90
RefS
differntiator
Ref
71

Figure 7

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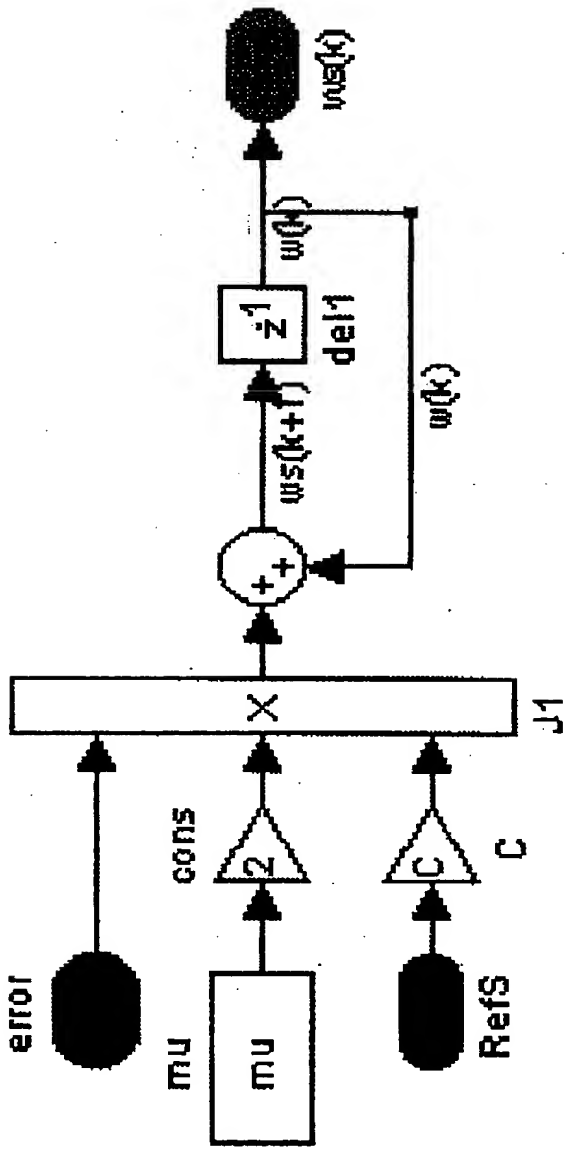

Figure 8

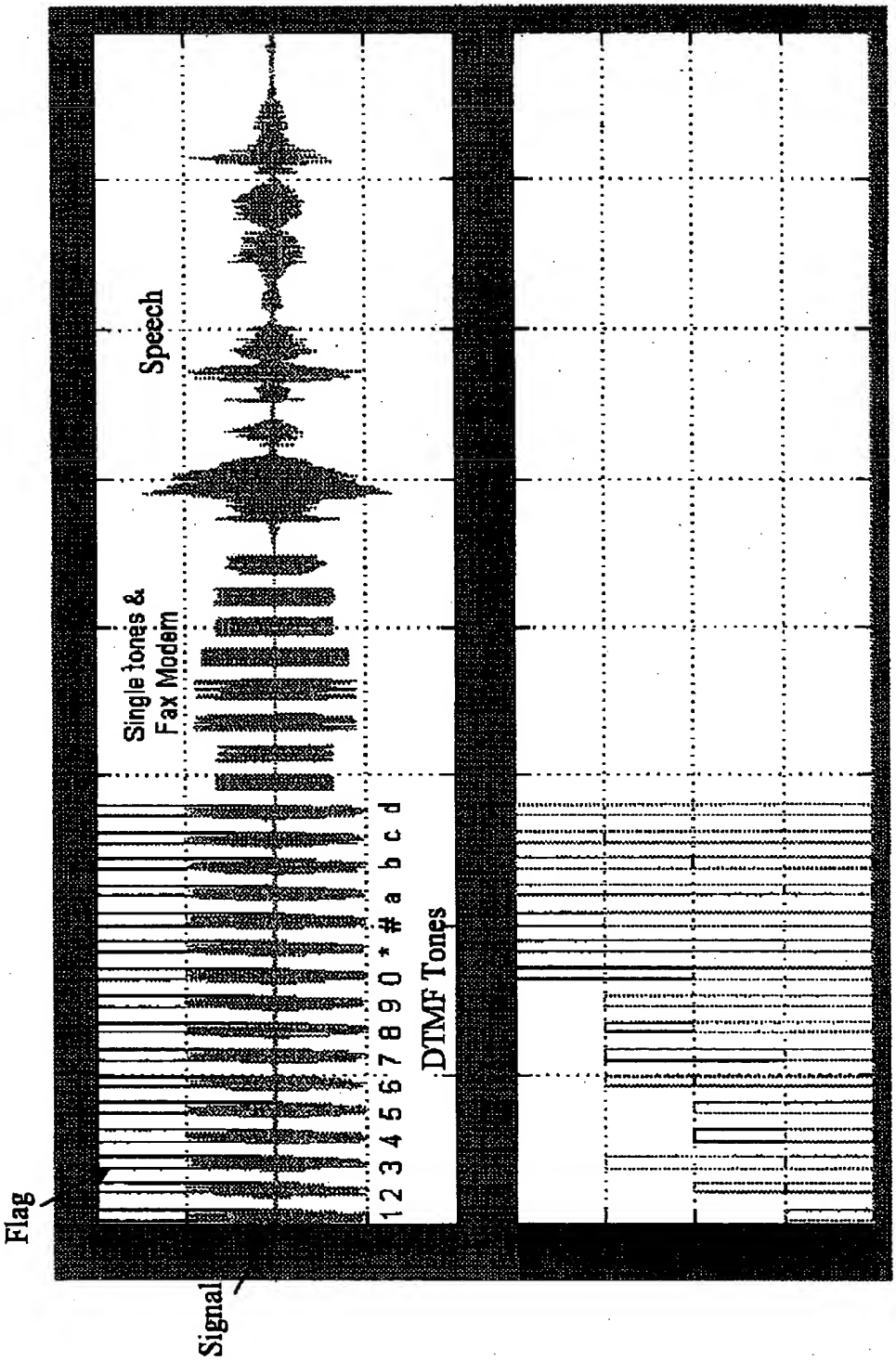

Figure 9

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